



ClearWay gen2

BGP307 LED69-4S/740 II DM11 CLO 48/60S

ClearWay gen2, LED module 6900 lm, 740 neutral white, Safety class II, Distribution medium 11, Universal for diameter 48 to 60 mm adjustable

The ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimise your Total Cost of Ownership. The ClearWay Gen2 significantly improves the most important aspects of the street-lighting experience compared to conventional urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, high-quality light with significant energy and maintenance savings. In short, ClearWay Gen2 means good-quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design which makes it easier to install.

Product data

General Information	
Lamp family code	LED69 [LED module 6900 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the

	B10 value. * At extreme ambient
	temperatures the luminaire might
	automatically dim down to protect
	components
Light source engine type	LED
Product family code	BGP307 [ClearWay gen2]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

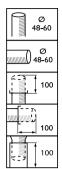
Datasheet, 2023, December 5 data subject to change

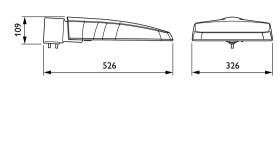
ClearWay gen2

EU RoHS compliant	No	Optical cover/lens shape	Flat
		Optical cover/lens finish	Clear
Light Technical		Overall length	482 mm
Upwards light output ratio	0	Overall width	330 mm
Luminous Flux	5,916 lm	Overall height	93 mm
Standard tilt angle post-top	0°	Effective projected area	0.1151 m²
Standard tilt angle side entry	0°	Dimensions (height x width x depth)	93 x 330 x 482 mm
Correlated Colour Temperature	4000 K		
Luminous efficacy (rated) (nom.)	150 lm/W	Approval and Application	
Colour rendering index (CRI)	70	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source colour	740 neutral white	Mech. impact protection code	IK09 [10 J]
Optic type	-	Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV
Optical cover type	Flat glass		differential mode and 8 kV common mode
Luminaire light beam spread	160° - 42° x 54°	Sustainability rating	Lighting for circularity
Optic type outdoor	Distribution medium 11	Protection class IEC	Safety class II
		Photobiological risk	Photobiological risk group 1 @ 200mm to
Operating and Electrical			EN62471
Input Voltage	220 to 240 V	Photobiological risk specification	3.1 m
Line Frequency	50 to 60 Hz		
Initial CLO power consumption	39.5 W	Initial Performance (IEC Compliant)	
Average CLO power consumption	39.5 W	Luminous flux tolerance	+/-7%
End CLO power consumption	40 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Inrush current	47 A	Power consumption tolerance	+/-10%
Inrush time	0.25 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	39.5 W		
Power Factor (Fraction)	0.98	Over Time Performance (IEC Compli	ant)
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
Connection	Fusit-iii connector 3-pote		
Cable	-	life 50,000 h	
	-		
Cable	-	life 50,000 h	
Cable Number of products on MCB of 16 A type	-	life 50,000 h Control gear failure rate at median useful	
Cable Number of products on MCB of 16 A type	-	life 50,000 h Control gear failure rate at median useful life 100,000 h	10 %
Cable Number of products on MCB of 16 A type B	-	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful	10 %
Cable Number of products on MCB of 16 A type B Temperature	30	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful	10 %
Cable Number of products on MCB of 16 A type B Temperature	30	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h	10 %
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	30	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions	10 % L100
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	-40 to +50 °C	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq	10 % L100
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	-40 to +50 °C	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq	10 % L100
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	-40 to +50 °C	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level	10 % L100
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit (On/Off) -	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	10 % L100 25 °C 0% (digital)
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit (On/Off) -	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 II DM11 CLO 48/60S
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	-40 to +50 °C Yes Power supply unit (On/Off) -	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 II DM11 CLO 48/60S BGP307 LED69-4S/740 II DM11 CLO 48/60S
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	-40 to +50 °C Yes Power supply unit (On/Off) - Yes	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 DM11 CLO 48/60S BGP307 LED69-4S/740 DM11 CLO 48/60S 871869699718500
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material	-40 to +50 °C Yes Power supply unit (On/Off) - Yes	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 II DM11 CLO 48/60S BGP307 LED69-4S/740 II DM11 CLO 48/60S 871869699718500 99718500
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material	-40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminium die cast -	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 DM11 CLO 48/60S BGP307 LED69-4S/740 DM11 CLO 48/60S 871869699718500 99718500 910925865240
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material	-40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminium die cast - Polymethyl methacrylate	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 II DM11 CLO 48/60S BGP307 LED69-4S/740 II DM11 CLO 48/60S 871869699718500 99718500 910925865240 1
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	- 30 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminium die cast - Polymethyl methacrylate Tempered glass	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 DM11 CLO 48/60S BGP307 LED69-4S/740 DM11 CLO 48/60S 871869699718500 99718500 910925865240 1 8718696997185
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	-40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminium die cast - Polymethyl methacrylate Tempered glass Aluminium	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case Numerator – packs per outer box	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 DM11 CLO 48/60S BGP307 LED69-4S/740 DM11 CLO 48/60S 871869699718500 99718500 910925865240 1 8718696997185 1
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	-40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminium die cast - Polymethyl methacrylate Tempered glass Aluminium Grey	life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case Numerator – packs per outer box	10 % L100 25 °C 0% (digital) BGP307 LED69-4S/740 DM11 CLO 48/60S BGP307 LED69-4S/740 DM11 CLO 48/60S 871869699718500 99718500 910925865240 1 8718696997185 1

ClearWay gen2

Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.